

DC-516 High Speed Creaser

Duplo

DC-516 High Speed Creaser

SPECIFICATIONS

Input Paper Size	Width: 5.5" x 14.6" (140 – 370 mm) Length: 5.9" x 26.37" (150 – 670 mm)
Paper Weight	Creasing: 110 - 400 gsm Cutting/Slitting: 110 - 350 gsm
Speed	Creasing: 100 ppm (6,000 sheets per hour) 8.5" x 11" SEF 1 crease Cutting: 12 sheets per minute (720 sheets per hour) 13" x 19" 24-up business cards
Tolerance	+/- 0.3mm
Feeder Capacity	14.2" (360 mm)
Slits	Optional module required for 6 slit tools. Additional tools can be added for a maximum of 10 slits.
Cuts	Optional module required. Can perform up to 30 cuts per sheet.
Creases	Up to 20 creases per sheet with each module Positive and negative creasing capabilities Two creasing modules are required for up and down creasing
Power Requirements	115V: 5.5A 50/60hz
Standard Features	250 job memory in main unit, test feed (1 sheet); air knife; feed skew adjustment; ultrasonic double-feed detection; Includes 2 creasing modules; applicable motor kits
Options	Rotary tool, cross perforating, and slitting modules. All other options can be configured according to user's needs. Motor kits are required when adding rotary tool, cutting and slitting modules. Connecting kit is required when adding the stacker. Modules can be used in Slot 1: Standard Module (STM-03), Slitter Module (OSM-06), Creaser Module (CRM-10), Rotary Tool Module (RTM-06) Modules can be used in Slot 2: Creaser Module (CRM-10), Cutter Module (CTM-05), Cross Perforation Module (CPM-6)

As part of our continuous product improvement program, specifications and descriptions are subject to change without notice.



For High Production Environments



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High Speed Finishing for High Production Environments

The Duplo DC-516 High Speed Creaser has the power to tackle manually intensive finishing tasks and bottlenecks in production. The ability to finish completely different jobs with efficiency and consistency, make it the ideal companion for demanding digital print environments.

Designed with flexibility to adapt to your needs, the DC-516 High Speed Creaser prevents toner cracking and unattractive fold lines on digitally printed applications up to 100 sheets per minute! Creasing prior to folding allows fold devices to bend the sheets with ease, ensuring a crisp and professional finish. The DC-516 features a 14" feed capacity for higher volume jobs and handles paper up to 400 gsm up to 14" x 26" in size. It comes standard with two dual creasing modules that can be switched interchangeably to perform positive and negative patterns at the same time. Each module applies up to 20 creases per sheet. Fast and easy to use, the DC-516 is ideal for creasing brochures, greeting cards and book covers for perfect binding.

High Capacity, Air Suction Feed System

With a 14" feed capacity, the largest in the DC series, operators can maintain productivity throughout the job. Utilizing Duplo's widely renowned air suction feeder, the DC-516 comes equipped with an 8-belt feed system that feeds from the top of the stack to reduce scuffing and marking on the sheets. It comes with side air, an air knife, and an ultrasonic sensor for increased feed consistency. The air knife reduces static by providing additional air flow to the stack. The ultrasonic sensor detects when two or more sheets have been fed, automatically stopping the unit.

Jobs are managed from the user-friendly LCD touchscreen control panel where up to 250 jobs can be stored in memory. Operators can instantly recall any saved job to change over from one job to another and reduce downtime. Speed and precision allow digital printers to finish longer runs with minimal supervision.

- 14" feed capacity for high volume jobs
- Creases up to 100 sheets per minute (SEF 1 crease)
- Applies positive and negative creases with new dual creasing tool
- Handles paper up to 400 gsm on 14" x 26" sheet sizes
- Apply shrinkage control due to high fusing temperatures and moisture content loss
- Optional rotary tool and cross perforating modules with strike-perforating capabilities
- Perfect for applications such as: greeting cards, Z-folds, business cards, perforated tickets, book covers with hinge, and accordion folds

Dual Creasing and Versatile Options

The DC-516 comes included with two dual creasing modules with the capability to perform positive or negative patterns. Up and down creasing is ideal anytime paper stock is required to be folded in different directions. Creasing on digital stock can be difficult due to different variations in toners and inks. Perfect bound covers with hinge, Z-folds and accordion folds are perfect applications for the DC-516. To perform up and down creasing simultaneously both modules must be used. The DC-516 features two slots to accommodate both modules when needed.

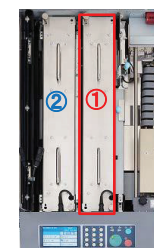
To increase its versatility, other modules are available and can be used to perform a variety of finishing capabilities. These modules are optional and can be added to customize the device to suit your needs. The DC-516 can be used as a fast creasing machine, slitting and cutting machine, or perforating machine or switch between a combination of any two.

• Rotary Tool Module performs perforations, micro-perforations, scores, slit-scores, and strike perforations across the length of the sheets. Two rotary tools come standard. Additional rotary tool can be purchased which includes four different tools (perf, micro-perf, score, slit-score).

• Cross Perforation Module performs perforations across the width of the sheet. Cross Perforation uses a long perforation rule that extends the width of the sheet, which will need to be cut if partial perforation is required.

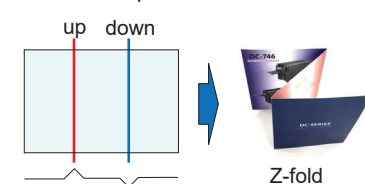
• Slitting Module performs up to 10 slits per sheet (6 slits come as standard + 4 slits optional). Slitter units are manually adjusted and cut can be set via the control panel. Paired with the optional Cutter Module, business cards, invitations, posters, and photos can be processed.

Z-FOLD CARDS



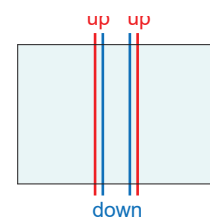
	Slot2	Slot1
Module	Creaser	Creaser

Crease Z fold applications up to 62 sheets per minute (11"x17")



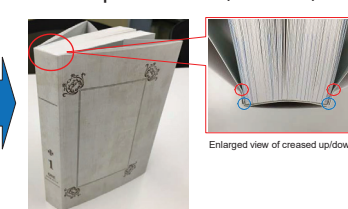
Z-fold

BOOK COVERS

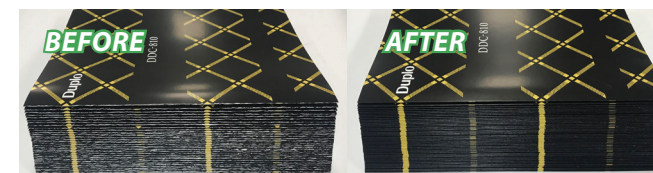


Slot 1	Slot2
Creaser	Creaser

Crease book covers up to 39 sheets per minute (11"x17")



Enlarged view of creased up/down



The sheets on the left show the toner cracking when digitally-printed sheets are folded without creasing. The sheets on the right have been creased beforehand, resulting in clean folds.



Dual creasing modules are interchangeable and easy to switch



High pile feeder with 8-belt air suction feed system



User-friendly control panel offers a 250-job memory



Add the optional long conveyor to handle the stacking of high volume jobs